Family Letragonwridae Body elingate, Lusiform, deepest at front of spinous dorsal. Head broad above, moderate. Knout compressed, obtuse, end convey. Eye large, but slightly advanced in head length. trouth moderate, jaws equal, mandibular rami greatles elevated inside, with convey dental edge. Teeth moderate, compressed, present on palate. Gill opening large. Heales small. Head most Tho air bladder. Pylorie appendages numerous. Yeales rather Amall, beeled, striated. Head largely scales. Kateral line present. Thorsals continuous, soft rays fewer than spines. " Amal leke soft

dorsal. Candal forked, with well developed rudimentary rays. Pertoral short. Vertical small, partly abdominal.

· Genus Tetragonurus. Risso Tetragonurus Risso, Ichth. hice, L. 347, 1810. (Type Tetragonurus Cuvieri Risso, monotypie.) Ctenoday macleay, Proc. Linn. For.
hew Youth Wales, vol. 10, p. 718, 1885.
(Type Ctenoday wilkinsoni macleay, monotypic.

Depth 31/4 to 34/5; head 31/5 to 31/2, wedtt 13/5 to 2. Vnout 23/3 to 3 in head, eye 3 1/5 to 4 1/6, 1/4 in snout, 1 to 1 1/8 in interorbital; maxillary reaches 13 to 1/5 in eye, expansion 1/4 to 1/2 in eye, length 7/6 to 22/5 in head, teeth granular, in about 3 viregular rowst in each jaw; band of granular teeth on vomer and each palatine interorbital 3 1/3 to 34/5, slightly consave; barbel 1/35 11/2. Gill rabers 6 to 8+16 to 20, lanceolate, 11/2 in gill felaments, which 115 in eye; Clower as rudi-Yeales 32 to 34 in lateral line Exaudal base and 3 or 4 more on latter; 3 above, 6 or 7 below, 14 to 16 predorsal; 3.° or 4 rows on cheela. Yeales with 5-basal radiating

Body skender, plump, partly Cylindrical. Head robust. Hnout moderate. Ege large, less than snout. hrouth Short, oblique, jaws boy leke. Teeth uniserial, Close set, conie. Opercle entere. Gill membranes united below, free from isthmus. Heales hard, Viliated, grooved, very adherent. Lateral line single, straight or little curved. Dorsal divided, low short spines 15, toft rays fewer. Anal little smaller, Similar to soft dorsal. Candal small. Pertoral small. Ventral placed below middle of pectoral, with there and 5 rays.

Tetragonurus cuvieri Risso Tetragonurus Cuvieri Risso, Ichth.
hice, p. 347, 1810 (type locality; hice); - Günther, Cat, Fish, Brit. mus., vol. 3, p. 408, 1861 Vicily; mediterranean). - Goode and Bean, Oceanie Schth., p. 230, pl., fig. 417, 1895 | Wood & Holl, Massa chusetts). / Valenciennes, Hist. hat. Forst, vol. 11, p. 172, pl. 318, 1836 (Genoa); hice; Toulon). _ Swampon, hat. Hist. Anmale, vol. 2, p. 244, fig. 69, 1839 (copied).

Candal gray to whitish, upper løbe with 3 or 4 soblique black bart and lower lobe with 2 or 3. Red Vea, maurituis, Rennion, Fortuguese East Africa, Latal, Arabia, India, Coylon, Finang East Indies, Philippines China, Formora, Japan, Ruensland, melanesia, Polynesia.

_ Inc Culloch, Austral. huns. hem., ho. 5, pt. 1, p. 122, June 29, 1929 (reference). _ Fowler, hem.

Bishop hus., vol. 10, p. 140, 1928 (Hawaii). _ huc Culloch, Fisher of Lew Youth Wales, ed. 3, p. 43, pl. 15, fig. 15 7a, 1934.

Umia Grantalnia (Bleeker) ripogon Cyan Haenia Bleekser, hut Tyda. hed. I Rate, vol. 1, 1853, p.71. Laway ong, Holor Simther, Cut. Fisher Brit. hur, vol. 1, 1859, p. 242 (ropied). _ Torgaza, Ann. Hoc. Españ. Hist. hat. hadrid, vol. 17, 1888, p. 27-3 (Cobu) Weber, Gool. Forschung fr. Lastral. Jenon, vol. 5, 1895, p. 263 (Kimboina). Elera, Cat. Fanna Filip., 1895, p. 477 (Cobu). _ Weber, Liboga Exped., vol. 65, 1913, p. 223 (Valeyer). Unia cyanotaenia Bleeker, lettas Tehth. Ind. heerl., vol. 7, 1873-76, p. 85, pl. (42) 320, fig. 2 (Notor, Limborna), In the Philippines banown from the records of Gorgoza and Elera:

Tetragonurus suvieris Hassi, huov anna lam. Vci. Lut. Bologna, Lev. 2, vol. 6, p. 390, 1846 (Genoa). Tetragonurus atlanticus Lowe, Fisher of madeira, p. 124, pl. 19, 1843 (type locality, madeira). Proc. 300l. Loc. London, p. 79, 1839 (type locality, madeira).

Etenodax willsinsoni macleay, Proc. Linn. Hoc. hew Youth Wales, vol. 10, ho. 4, p. 719, pl. 47, april 3, 1886 (type locality, Lord Howe Island).

1 example. Ceba market. march 20, 1909. Length 7/mm. 2 eramptes. Lampinigan I fland, south of Zamboanga. Neptember 11, 1909. Length 38 or 39 mm. 12 examples. Vanabutan Bay, hundanas. February 5, 1988. Length 28 to 38 mm. 10 examples. Port Baix Anchorage, East Luzow. harch 31, 1908 tength 29 to 35 mm. 19 exampler, D. 556X. Fornabal Island (h. W.), V. 36° W., o 2 mille (5°50'45"N., 121°01'15" F.). Neptember 19,1909. Length 26 to 56 mm. There, as well as the above small examples are all largely scaleless, silvery and difficult of determination. They seem to me most likely the young of the fresent species. hiost all have some tripces of 2 dark blotches on each caugal lobe, also some show traces of 2 darks bands on

Depth 53; Kead 32, width 32. Anout 3 = in head; lye 4 3, /2 in snout, greater than interorbital; maxillary extends little begind frant eye edge, not quite diposite Front pupil edge, length 25 in Lead; 32 upper, conic, subequal, rather well spæld, unsterial teeth, 36 lower, broad, close ret, compressed, graduated larger porteriorly; vomer and palatines with few small conic teeth; interprebital 33, broadly convex. gill rahers 7+9, lance Hate, long at gill felaments or 2 4 in eyle. Heales 100 along lateral line to middle candall base; Tabove. 12 below, 25 predorsal to occuput Lateral line at first parallel with dorsal profile, then slopes nearly median along side of caudal

peduncle to middle of candax base, entere course shallow O. XIX, 14, fourth spine 5 in Lead, Fixth ray 2 4, le, 13, fourth ray 2 = Candal /z, median Kags form obtuse angle forteriorly; least depth of caudal peduncle 6; pectoral 170, rays 14; ventral I,5, fin 27 om head. Eniform brownish, under surface paler. Trix with neutral gray to silvery tents. Thew South & Wales, Lord Howe Island, Hawaii. Milso en the Atlantie and hediterranean. Described above from an example 94 mm long fram Honolulu mi the he. C. Z. Combbridge.

Length 75 mm. hov. 10, 1890.

Length 75 mm. hov. 10, 1890.

Q. XV, I, 10, a. I, 10.

le. f.h. h., ho. 85 476. Lat. 38°29'

17'N., long. 70°45' W. albatross

Collection (2715). Length 25 mm.

9775, 52577, 12578, Cayerin Aland, north Bukabur Vtrait. Junuary 2, 1907, Lyngth 134 to 14/mm?. 557 & Colow market. Equil 5,1900. Langth 15 pomme, 17724. Engo, Curo J. Lend, april 9, 1907. Length 117 mm. 109. Endeavan Strait, hrakamfraga Hound, Talawan Island. Breember 23,1908. Length 10 mm. 0744,7374,7375 Digno Simily Lundymodun But Vamar Jakand. July 28, 1909. Lengtheld - 25/38 mm. Juli and Juli. Gunter Distant, Filourum Jarrage. Delember 20, 1900. Longth 127 to 148 mm. 11090 ma 18861. Inamedan Buy, hindanao I sland. August 8, 190%. Length 90 h 150 mm.